

PO No	Supplier	Line No	Rel	Terms	Purchased Item	Description	For Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	
P0039474	MES002-	1	1	Net 30	M304TS0.750W.065	304 Sq Tube : MATERIAL: ANSI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft			600	4/9/2018	500	S059803	Stock	4/10/2018	S 3.25 / ft	0			
		2			M304B0.250X0.500	304 Bar 250 X :500 : MATERIAL: ANSI 304/316 SS BAR OR ANSI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft			200		221	S059804	Stock	4/10/2018	S 4.25 / ft	0			
Total:										800									
												721							

Plex 4/10/2018 3:58 PM Dat.Dubois.Pascal

PURCHASE ORDER
P0039474

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200



Supplier:

MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

Ship To:

1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via:

Ground
Net 30

PO No: P0039474
PO Date: 4/2/18
Due Date: 4/9/18
Purchase Order
Revision:
Revision Date:

Ship-To Contact:

Lavoie, Chantal
Phone: clavoie@dartaero.com

Special Comments:
Freight Terms:
Pymt Terms:

E-MAILED
APR 03 2018

REUSE \$

Line	Item	Part	Supplier	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit	Extended Price
1	M304TS0.750W.065			304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	4/9/18	600 ft	0 ft	600 ft	\$3.25/ft	\$1,950.00
2	M304B0.250X0.500			304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	4/9/18	200 ft	0 ft	200 ft	\$4.25/ft	\$850.00
Grand Total: \$2,800.00											

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

CA

METAUX SOLUTIONS INC

2625 BOUL JACQUES CARTIER EST

LONGUEUIL, QUEBEC

J4N 1L7

Tel.: 450 641-3330

Customer: 6323336

DART AEROSPACE LTD

1270, ABERDEEN STREET

HAWKESBURY, ONTARIO

K6A 1K7

Shipping Order

09/04/2018

Order

Reference

Ship

: 134020

: p0039474

: PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No.

Description

***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR

LE PACKING SLIP INSCRIRE LES HEAT N

TUBE SS304 180 GRIT 3/4" X 3/4" X .065"

SSQT34340654

25 x 20' *****

ht:ibh041709 et 59598

304 STAIN FLA .25" X .500" HR

17 x 13' /I

ht:67736108

ship journey collect

SF14124HR

minimax
1 PCS

04-04-18

Pat Grubbs

Merchandise Received:

Shipping :
Package No :
Ref. :

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel: 450 641-3330

Customer: 6323336

Ship To

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Order Reference
: 134020
: p0039474
: PICK UP / PICK UP

Same

Tel: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
----------	-------------	-----	----------------	---------

***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR
LE PACKING SLIP INSCRIRE LES HEAT N

SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065"	500	500	φ
--------------	---	-----	-----	---

25 x 20' *****

ht:ibh041709 et 5g598

304 STAIN.FLA.25" X .500" HR

17 x 13' r/l

ht:67736108

ship journey collect

Merchandise Received:

Shipping :
Package No :

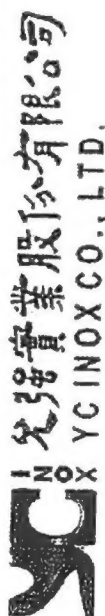
Ref: :

Shipping Order

09/04/2018

[illegible]

000744



檢驗證明書

INSPECTION CERTIFICATE

524彰化縣溪州鄉中山路四段270號
No.270, Sec.4, Jungshan Rd., Shijou Shiang,
Chang-Hwa, Taiwan, R.O.C
http://www.ycinox.com
TEL: +886-4-8899666 FAX: +886-4-8899770



客戶名稱 Customer	客戶編號 Customer No.		FCA027		證明書編號 Certificate No.	170615P0017
產品名稱 Production	商業發票號碼 Commercial Invoice No.		J17050350		證明書日期 Date of Issue	2017/06/14
規格名稱 Specification	客戶採購案號 PO No.		P007499		訂單編號 Order No.	EPI7040026-1
鋼種 Steel Grade	提貨單編號 Weight No.		C17060050		P.I.號碼 P.I.NO.	PI 1704-009

項目 Item No.	產品規格 Product Description	數量 Quantity Pcs	表面 Finish	化學成份(%) Chemical Composition										拉伸試驗 Tension Test			*01 硬度試驗 Hardness Test
				C	Si	Mn	P	S	Cr	Ni	Mo	0.2%YS	T.S.	EL.	HRB		
1	3/4" (19mm) x 3/4" (19mm) x 0.065" (1.65mm) x 20FT	75	CHIT 180	47	48	87	32	45	30	1100	2000	800	1800	320	664	50	86
2	1" (25.4mm) x 1" (25.4mm) x 0.065" (1.65mm) x 20FT	70	CHIT 180	48	49	88	36	3	804	1823	308	556	52	83	52	83	
3	1" (25.4mm) x 1" (25.4mm) x 0.065" (1.65mm) x 20FT	80	CHIT 180	43	51	89	34	3	807	1816	318	703	55	86	55	86	
4	1 1/4" (31.8mm) x 1 1/4" (31.8mm) x 0.065" (1.65mm) x 20FT	75	CHIT 180	62	52	86	29	3	812	1815	318	668	52	84	52	84	
5	1 1/4" (31.8mm) x 1 1/4" (31.8mm) x 0.12" (3.05mm) x 20FT	50	CHIT 180	47	47	93	34	4	813	1818	287	629	54	84	54	84	
6	2" (50.8mm) x 2" (50.8mm) x 0.12" (3.05mm) x 20FT	75	CHIT 180	50	47	89	32	4	804	1817	323	688	53	89	53	89	
7	2" (50.8mm) x 2" (50.8mm) x 0.12" (3.05mm) x 20FT	25	CHIT 180	18	42	156	33	2	820	1834	301	661	54	87	54	87	
TOTAL:		450															

Surveyor By	Visual Inspection (Surface) and Dimension Check: OK		1. ISO 9001:2008 (No.01 100 056299) 2. PED / AD2000 (No.01 202 TWM/Q.05 0105) 3. ISO 14001:2004 (No.01 104 822 096385) 4. OHSAS 18001:2007 (No.01 113 822 096385)
N/A	We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. The material described above has been found free of radiation by raw material supplier.		Manager of Quality Assurance Department Joe Yi Chen

附註 Remark

This certificate complies to 3.1/EN 10204:2004.

註解 Note

*01- Hardness Test
*Gauge Length: 50mm

1MPa = 1N/mm² = 10bar = 145psi
10.2kgf/cm²

頁次 / 總頁數: 5 / 12

YC-2Q007-01D

Kingmaker Steel Co., Inc.

Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203
Tel: (732) 302-1800, Fax: (732) 302-1822

Material Certification

ISO 9001:2015
ISO 14001:2004
EN 10204/3.1B

Ship To:

Date: 3/7/2018
Invoice No: KM2018/0651
Purchase P009698
Order No:
Sold To:

Stainless Steel T.I.G. Welded Tubing.

Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.062" W X 20'	5G598	180G	ASTM A554-16	MT-304
2:	3/4" SQ X 0.120" W X 20'	5H982	MF	ASTM A554-16	MT-304
3:	1" SQ X 0.060" W X 20'	9H940	180G	ASTM A554-16	MT-304
4:	1" SQ X 0.120" W X 20'	5G735	MF	ASTM A554-16	MT-304
5:	1-1/4" SQ X 0.120" W X 20'	5G296	MF	ASTM A554-16	MT-304

CHEMICAL PROPERTIES

C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
1:	.018	.400	1.37	.028	.002	18.10	8.05	8.03	
2:	.020	.390	1.43	.029	.010	18.05			
3:	.020	.430	1.58	.032	.002	18.28	8.00		
4:	.019	.390	1.41	.029	.007	18.23	8.01		
5:	.020	.400	1.40	.033	.007	18.14	8.04		

MECHANICAL PROPERTIES

Tensile (N/mm ²)	Yield (N/mm ²)	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy	Current
1:	660.00	331.00	49.00	87.10			
2:	641.00	297.00	53.00	86.00			
3:	676.00	260.00	55.00	81.70			
4:	642.00	282.00	53.00	85.00			
5:	649.00	282.00	53.00	86.00			

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304/30.750W.065 DATE: APR 10 2018

MATERIAL CERT REC'D: YES QUANTITY INSPECTED: 500' QUANTITY REJECTED: 0

THICKNESS ORDERED: W.065 THICKNESS RECEIVED: W.065 SHEET SIZE ORDERED: N/A SHEET SIZE RECEIVED: N/A

PO / BATCH NO.: 039474/5039803

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	
CORRECT FINISH	<input checked="" type="radio"/> Y	
CORROSION	<input checked="" type="radio"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	
CORRECT # ON THE MATERIAL	<input checked="" type="radio"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
				WEBSTER

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS SIGNED OFF BY: _____

DATE: 9-89 APR 10 2018 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH: ASTM A554 MILL FINISH
OR ASTM A286 MILL FINISH

PART NUMBER: M304TS | A.AAA | W.TTT

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

RELEASED
2014-05-26
1047

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14.3818)	DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A286 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING	AJS	09.10.16
B	DRAWING MOVED TO "B" SIZE BORDER FINISH ADDED (SEE NCR 08-045 FOR DETAILS)	AJS	08.08.26
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	DB		
CHECKED	DB		
MFG. APPR	M304TS		
APPROVED	TITLE		
DE APPR	304/316 SQUARE TUBING		
DATE	14.05.20		

COPYRIGHT © 2001 BY DART AEROSPACE LTD
THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B 0.250X0.750 DATE: APR 10 2019
 PO / BATCH NO.: 039474/6032804

MATERIAL CERT REC'D: yes QUANTITY RECEIVED: 221
 QUANTITY INSPECTED: 22 QUANTITY REJECTED: 0
 THICKNESS ORDERED: 0.250 THICKNESS RECEIVED: 0.250
 SHEET SIZE ORDERED: N/A SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
-------------	-----------------	----------

SURFACE DAMAGE	<input checked="" type="radio"/> Y	
CORRECT FINISH	<input checked="" type="radio"/> Y	
CORROSION	<input checked="" type="radio"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
HRC	HRB	DUR A	DUR D	WEBSTER
RECORD RESULTS BELOW				
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION
 ENGINEERING SIGNOFF (if required)
 INSPECTED BY: 11 088
 SIGNED OFF BY: _____
 DATE: APR 10 2019
 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: A303 NOT ACCEPTABLE)

△ SPECIFICATION:
ASTM A276 OR ASTM A240
PART NUMBER: M304B TTT X WW.WWW/
THICK | WIDTH

WHERE "TTT" = THICKNESS IN INCHES
AND "WWW" = WIDTH IN INCHES
△ EG. 0.5" x 3.0" BAR = M304B0.500X03.000
EG. 0.5" x 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30
AM

C	ADDED PLATE TO PURCHASE MATERIAL. ADDED PLATE RELATED SPECIFICATIONS, AND EG: CHANGED TITLE FROM: 304/316 BAR TO 304/316 BAR/PLATE	MB	10.11.25
B	REFORMAT DWG. ADD SPECS (2N D6-1).	CP	09.07.15
A	NEW ISSUE	PH	05.06.10
REV.	DESCRIPTION	BY	DATE
DESIGN	DM		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.11.25		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. C	
DRAWING NO. M304B		SHEET 1 OF 1	
TITLE 304/316 BAR/PLATE		SCALE NTS	
COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRINTED AND CIRCULATED, AND IS LOANED TO THE CLIENTS OF DART AEROSPACE LTD. AND THEIR CLIENTS, AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			